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Azmy S Ackleh and **Robert J Sacker*** (rsacker@usc.edu), 3620 S. Vermont Ave., KAP 104,
Los Angeles, CA 90089-2532. *On a Mutation Selection Model*. Preliminary report.

A selection-mutation model where individuals are distributed over a discrete trait space is studied. It is shown that for the small mutation case an equilibrium exists in which all traits co-exist and the equilibrium is globally attracting and asymptotically stable. (Received September 10, 2010)